

DRUM-IN-HAT TORQUE LIMITER

Abstract

A parking brake having first and second brake shoes each of which has a first end that engages an anchor post on a backing plate and a second end that engages an adjuster. An actuator that is located adjacent an anchor post engages a first end and an adjuster engages a second end of webs for the first and second brake shoes. A brake cable that is connected to the actuator provides a force for moving the first and second brake shoes into engagement with a drum to effect a brake application. The adjuster is characterized by the adjuster mechanism including a yieldable member for reducing the space between the second end engagement between the webs to limit braking force to a predetermined maximum. A strut of the adjuster compresses at loads above a predetermined set load to thereby reduces the effective braking diameter, input loads and hence output torque.